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UNITED STATES PATENT AND TRADEMARK OFFICE  
**CERTIFICATE OF CORRECTION**

PATENT NO. : 6,737,831 B2  
 DATED : May 18, 2004  
 INVENTOR(S) : Keith S. Champlin

Page 1 of 1

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 7,

Line 45, equation (4), delete equation and insert:

$$-- G3 = 4 \cdot G3_{\max} \cdot (N_{\text{Pb}}^- / N^-) \cdot (N_{\text{PbSO}_4}^- / N^-) --.$$

Line 46, delete " $N^- = N_{\text{Pb}}^- + N_{\text{PbSO}_4}^{4-}$ " and insert --  $N^- = N_{\text{Pb}}^- + N_{\text{PbSO}_4}^-$  --.

Line 48, delete " $N_{\text{PbSO}_4}^{4-}$ " and insert --  $N_{\text{PbSO}_4}^-$  --.

Line 50, delete " $N_{\text{Pb}}^- = N_{\text{PbSO}_4}^{4-} = N^- / 2$ " and insert --  $N_{\text{Pb}}^- = N_{\text{PbSO}_4}^- = N^- / 2$  --.

Line 55, equation (5), delete equation and insert:

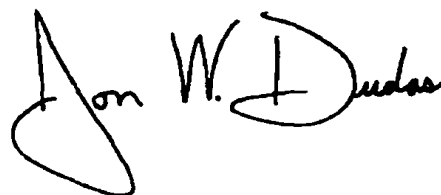
$$-- SOC = (N_{\text{Pb}}^- / N^-) = 1 - (N_{\text{PbSO}_4}^- / N^-) --.$$

Column 8,

Line 56, equation (12), delete " $i_{0_{\max}}$ " and insert --  $i_{0_{\max}}$  --.

Signed and Sealed this

Seventh Day of December, 2004



JON W. DUDAS  
 Director of the United States Patent and Trademark Office